

RT CTL Epitope Map

FFREDLVFPKGKAREFSSEQTRNSPTRRELQVQGRDNNSLSEAGANRQG 50

2 A19
1 A*6802

AVSFNFQITLWQRPLVTIKIEQLKEALLDTGADDTVLEDMNLPWKWP 100
 -> protease

KMIGGIGGFIVRQYDQVPIEICGHKAIGTVLVGPTPVNIIGRNLLTQIG 150

4 B8
6 H2^k
5 broad

CTLNFPISPIETVPVKLPGMDGPKVQWPLTEEKIKALVEICTEMEKEG 200
 end prot /\ p51, p66

6 H2^k
5 broad

KISKIGPENPYNTPVFAIKKKDSTKWRKLVDRELNKRTQDFWEVQLGIP 250

9 A2
8 A*0201
7 B35
10 B35
11 B51
12 ?

HPSGLKKKSVTLDVGDAYFSVPLDEDFRKYTAFTIPSINNETPGIRYQ 300

19 A33
18 A3.1
17 A3
16 A11,A3
15 A11
14 B35
12 ?
13 B7
20 B35
21 A2

YNVLPPQGWKGSPAIFQSSMTKILEPFRKQNPDIVIYQYMDDLYVGSDLEI 350
 GQHRTKIEELRQHLLRGFTTPDKHHQKDPPFLWMGYELHPDKWTVQPIK 400

LPEKESWTVNDIQKLVLGKLNWASQIYAGIKVKQLCKLLRGTKALTEIIPI 450

TEEAELELAENREILKEPVHGVYYDPSKDLIAELQKQGQQWTYQIYQEP 500

FKNLKTGKYARVARGAHTNDVKQLTEAVQKITTESIVIWGKTPFKLPIQK 550

ETWETWWTEYWQATWIPEWEFVNTPPLVKLWYQLEKEPIVGAETFYVDGA 600
p51 end /\ RNase H start

ANKETKLKGAGYVTNRGRQRVVSLTDNNQKTELQAIHLALQDSGLEVN 650

VTDSQYALGIIQAQPQDQSESELVSQIIEQLIKKEKVYLAWVPAHKGIGGN 700
EQVDKLVSSGIRKVLFLDGIDKAQEHEKYHSNWRAMASDFNLPPVVAKE 750
RNase H end /\ integrase start

IVASCDKCQLKGEAMHGQVDCSPGIWQLDCTHLEGKIIILVAVHVASYIE 800
AEVIPAETGQETAYFILKLAGRWPVKTIHTDNGSNTSTVKAACWAGI 850
KQEFGIPYNPQSQGVIESMNKELKKIIGQVRDQAEHLKTAQMAVFIHNF 900
KRKGIGGYSAGERIIDIIATDIQTQQLQKQITKIQNFRVYYRDSRDPLW 950

HIV CTL Epitopes

KGPAKLLWKGE⁴⁰_{A2}GAVVIQDNSDIKV³⁹_{A*0201}VPRRKAKIIRDY¹⁰⁰⁰_{GKQMAGDDCVASRQ} 1000
DED 1003
<- integrase end